

Hawai'i Influenza Surveillance Week 20, 2005

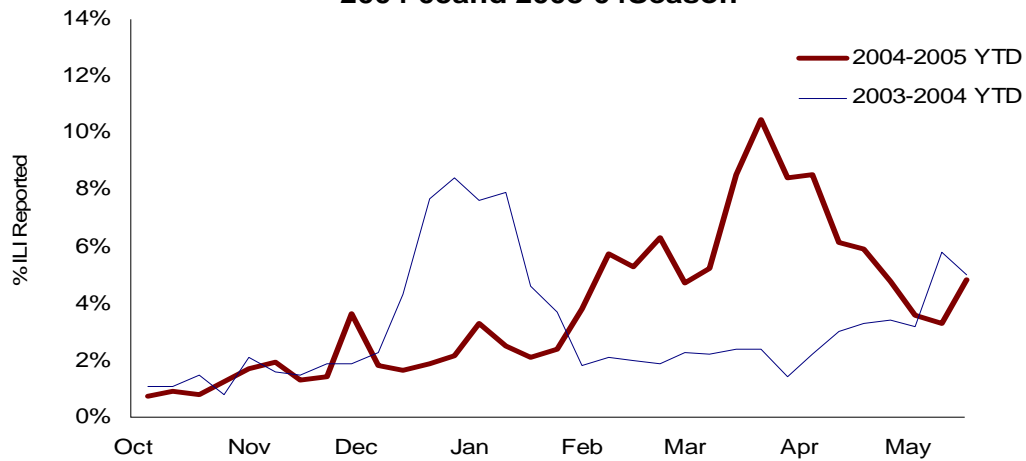
(Week ending 5/21/05)

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I. Influenza-like illness (ILI) Activity* :

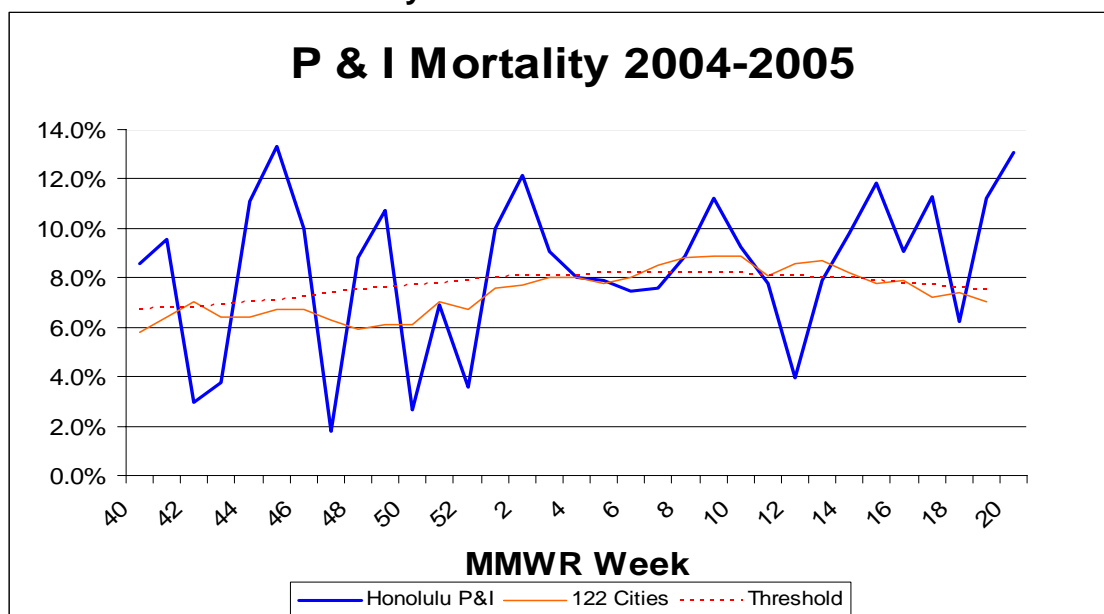
Comparison of Percent Influenza-Like Illness (ILI) Seen in Hawaii Sentinel Physician* Practices: 2004-05 and 2003-04 Season



MMWR	WEEKEND	ILI	PATIENT	2004-2005 YTD
40	10/9/2004	10	1303	0.8%
41	10/16/2004	14	1532	0.9%
42	10/23/2004	12	1465	0.8%
43	10/30/2004	19	1489	1.3%
44	11/6/2004	20	1178	1.7%
45	11/13/2004	26	1352	1.9%
46	11/20/2004	17	1277	1.3%
47	11/27/2004	15	1037	1.4%
48	12/4/2004	57	1570	3.6%
49	12/11/2004	26	1432	1.8%
50	12/18/2004	23	1401	1.6%
51	12/25/2004	16	854	1.9%
52	1/1/2005	19	878	2.2%
1	1/8/2005	54	1635	3.3%
2	1/15/2005	44	1748	2.5%
3	1/22/2005	31	1453	2.1%
4	1/29/2005	40	1672	2.4%
5	2/5/2005	56	1460	3.8%
6	2/12/2005	82	1430	5.7%
7	2/19/2005	76	1443	5.3%
8	2/26/2005	87	1382	6.3%
9	3/5/2005	60	1265	4.7%
10	3/12/2005	74	1410	5.2%
11	3/19/2005	78	912	8.6%
12	3/26/2005	78	743	10.5%
13	4/2/2005	75	891	8.4%
14	4/9/2005	64	752	8.5%
15	4/16/2005	57	929	6.1%
16	4/23/2005	46	779	5.9%
17	4/30/2005	39	812	4.8%
18	5/7/2005	27	752	3.6%
19	5/14/2005	26	786	3.3%
20	5/21/2005	18	371	4.9%
Season summary		1386	39393	Avg: 3.5%

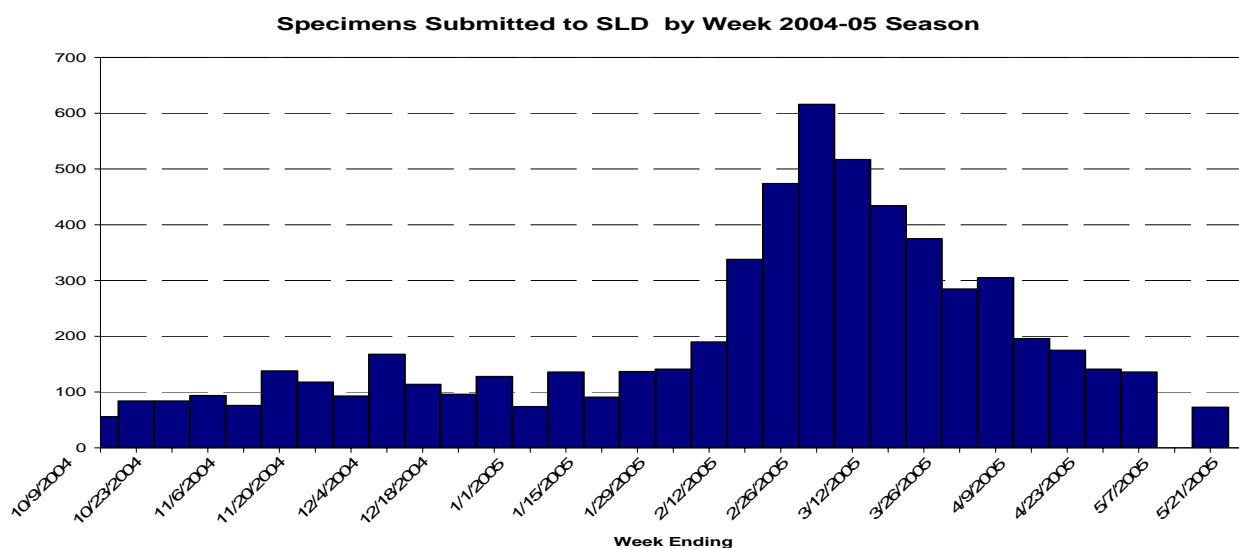
* Data is continuously updated by Sentinel Physicians and recent week's percentages are likely to change

II. Pneumonia & Influenza Mortality:



WEEK	ENDING	P&I	Total	Honolulu P&I	122 Cities	Threshold
40	10/9/2004	6	70	8.6%	5.8%	6.7%
41	10/16/2004	7	73	9.6%	6.4%	6.8%
42	10/23/2004	2	67	3.0%	7.0%	6.8%
43	10/30/2004	3	80	3.8%	6.4%	6.9%
44	11/6/2004	8	72	11.1%	6.4%	7.0%
45	11/13/2004	10	75	13.3%	6.7%	7.1%
46	11/20/2004	9	90	10.0%	6.7%	7.2%
47	11/27/2004	1	55	1.8%	6.3%	7.4%
48	12/4/2004	8	91	8.8%	5.9%	7.5%
49	12/11/2004	9	84	10.7%	6.1%	7.6%
50	12/18/2004	2	75	2.7%	6.1%	7.7%
51	12/25/2004	4	58	6.9%	7.0%	7.8%
52	1/1/2005	2	56	3.6%	6.7%	7.9%
1	1/8/2005	10	100	10.0%	7.6%	8.0%
2	1/15/2005	8	66	12.1%	7.7%	8.1%
3	1/22/2005	8	88	9.1%	8.0%	8.1%
4	1/29/2005	8	100	8.0%	8.0%	8.1%
5	2/5/2005	7	89	7.9%	7.8%	8.2%
6	2/12/2005	7	94	7.4%	8.0%	8.2%
7	2/19/2005	6	79	7.6%	8.5%	8.2%
8	2/26/2005	7	79	8.9%	8.8%	8.2%
9	3/5/2005	10	89	11.2%	8.9%	8.2%
10	3/12/2005	9	97	9.3%	8.9%	8.2%
11	3/19/2005	6	77	7.8%	8.1%	8.1%
12	3/26/2005	3	76	3.9%	8.6%	8.1%
13	4/2/2005	8	101	7.9%	8.7%	8.0%
14	4/9/2005	9	92	9.8%	8.2%	8.0%
15	4/16/2005	9	76	11.8%	7.8%	7.9%
16	4/23/2005	9	99	9.1%	7.9%	7.8%
17	4/30/2005	8	71	11.3%	7.2%	7.7%
18	5/7/2005	5	80	6.3%	7.4%	7.6%
19	5/14/2005	9	80	11.3%	7.0%	7.5%
20	5/21/2005	11	84	13.1%	n/a	n/a

III. Laboratory Surveillance

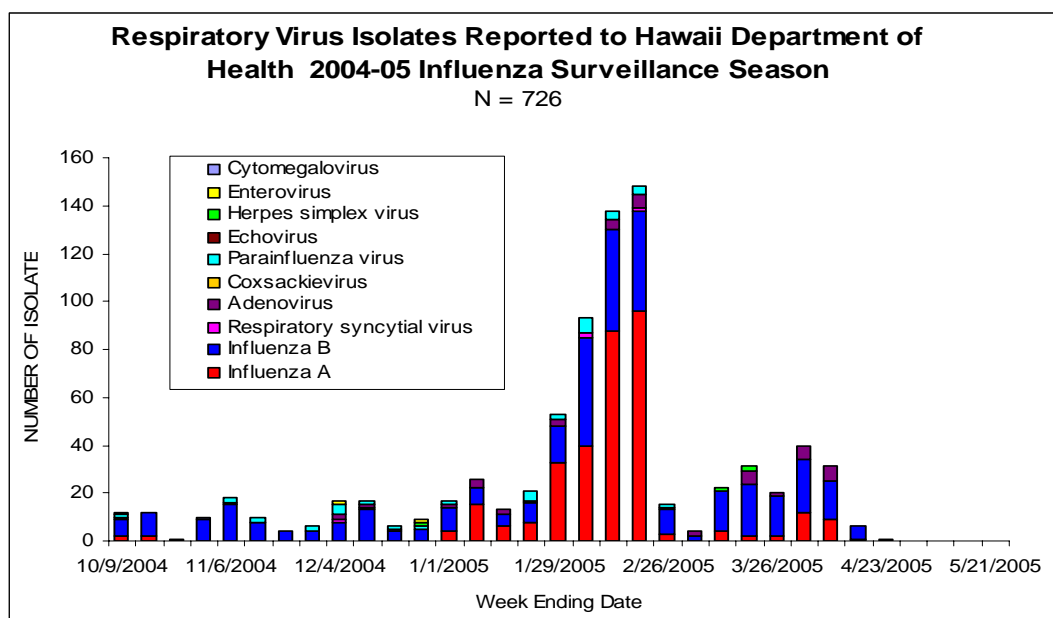


Specimen Submissions:

WEEK	ENDING	Weekly Total	Age <1	1 - 4	5 - 24	25 - 44	45 - 64	>= 65	UNK
40	10/9/2004	56	2	10	27	5	5	3	4
41	10/16/2004	84	7	10	37	8	9	11	2
42	10/23/2004	84	6	11	34	10	9	13	1
43	10/30/2004	94	6	16	35	14	12	11	0
44	11/6/2004	76	9	12	27	12	10	6	0
45	11/13/2004	138	10	14	61	17	21	14	1
46	11/20/2004	118	13	17	54	11	9	9	5
47	11/27/2004	93	8	15	39	9	6	11	5
48	12/4/2004	168	18	33	46	13	19	29	10
49	12/11/2004	114	11	15	34	17	21	12	4
50	12/18/2004	96	10	10	29	16	11	16	4
51	12/25/2004	128	5	21	49	17	14	21	1
52	1/1/2005	74	11	11	23	7	8	13	1
1	1/8/2005	136	4	16	43	35	17	18	3
2	1/15/2005	91	2	11	24	13	24	17	0
3	1/22/2005	137	8	18	53	22	18	15	3
4	1/29/2005	141	6	13	49	29	20	23	1
5	2/5/2005	190	6	23	80	38	26	12	5
6	2/12/2005	338	23	52	143	46	38	28	8
7	2/19/2005	474	36	64	197	72	47	49	9
8	2/26/2005	616	60	130	209	86	52	65	14
9	3/5/2005	517	46	77	160	73	73	80	8
10	3/12/2005	434	58	85	140	60	42	42	7
11	3/19/2005	375	47	86	120	39	35	43	5
12	3/26/2005	285	45	79	78	34	19	21	9
13	4/2/2005	305	48	68	93	31	27	30	8
14	4/9/2005	196	25	38	73	24	14	18	4
15	4/16/2005	175	22	23	61	19	18	31	1
16	4/23/2005	141	10	26	56	21	12	14	2
17	4/30/2005	136	13	23	41	18	19	12	10
18	5/7/2005	n/a							
19	5/14/2005	73	4	7	26	14	8	14	0
20	5/21/2005	n/a							

During last season **3882** specimens were submitted while **6083** have been submitted this season.

Virus Isolation Results:



2004-05

WEEK	ENDING	INFL A	INFL B
40	10/9/2004	2	7
41	10/16/2004	2	10
42	10/23/2004	0	1
43	10/30/2004	0	9
44	11/6/2004	0	15
45	11/13/2004	0	8
46	11/20/2004	0	4
47	11/27/2004	0	4
48	12/4/2004	0	8
49	12/11/2004	0	13
50	12/18/2004	0	4
51	12/25/2004	0	5
52	1/1/2005	4	10
1	1/8/2005	15	7
2	1/15/2005	6	5
3	1/22/2005	8	8
4	1/29/2005	33	15
5	2/5/2005	40	45
6	2/12/2005	88	42
7	2/19/2005	96	42
8	2/26/2005	3	10
9	3/5/2005	0	2
10	3/12/2005	4	17
11	3/19/2005	2	22
12	3/26/2005	2	17
13	4/2/2005	12	22
14	4/9/2005	9	16
15	4/16/2005	1	5
16	4/23/2005	0	1
17	4/30/2005	0	0
18	5/7/2005	0	0
19	5/14/2005	0	0
20	5/21/2005	0	0
Season Total		327*	374*

2003-04

WEEK	ENDING	INFL A	INFL B
41	10/11/2003	1	0
42	10/18/2003	1	0
43	10/25/2003	1	0
44	11/1/2003	1	0
45	11/8/2003	2	0
46	11/15/2003	4	0
47	11/22/2003	13	0
48	11/29/2003	9	0
49	12/6/2003	61	0
50	12/13/2003	52	0
51	12/20/2003	86	0
52	12/27/2003	102	0
53	1/3/2004	88	1
1	1/10/2004	106	0
2	1/17/2004	52	2
3	1/24/2004	35	0
4	1/31/2004	4	0
5	2/7/2004	7	0
6	2/14/2004	1	0
7	2/21/2004	4	0
8	2/28/2004	0	1
9	3/6/2004	1	0
10	3/13/2004	0	1
11	3/20/2004	0	3
12	3/27/2004	0	0
13	4/3/2004	1	2
14	4/10/2004	1	0
15	4/17/2004	0	1
16	4/24/2004	1	0
17	5/1/2004	1	1
18	5/8/2004	0	3
19	5/15/2004	0	4
20	5/22/2004	0	2
Season total		635	22

*Virus isolation requires a minimum of 14 days, therefore current virus counts are likely to increase.

Geography of Week 7- 20 Positive Influenza Isolates[†]:

Influenza A isolates:

Oahu: 37 Honolulu, 8 Waipahu, 1 Kapolei, 3 Kaneohe, 3 Mililani, 3 Pearl City, 1, Ewa Beach, 1 Kailua, 1 Laie, 1 Waianae, 1 Aiea

Kauai: 2 Kapaa, 1 Hanalei, 1 Koloa

Hawaii: 2 Kealahou, 1 Pahoa, 1 Hilo, 1 Kailua-Kona

Maui: 1 Makawao, 1 Puunene, 3 Kahului, 1 Pukalani

Influenza B isolates:

Oahu: 22 Honolulu, 5 Kaneohe, 2 Kapolei, 1 Mililani, 1 Waianae, 5 Waipahu, 3 Aiea, 1 Wahiawa, 2 Ewa Beach

Maui: 2 Paia, 4 Wailuku, 3 Kahului, 2 Kihei, 2 Makawao, 2 Pukalani

Kauai: 3 Lihue

[†] For positive isolates, where geographic identifiers were available. Sum will not equal total positive isolates.

Sub-typing Information Available for Positive Isolates^{*}:

299 infl A are characterized as (H3N2) 4 identified as A/Korea-like (similar A/Fujian) 2 identified as A/California-like

10 infl B are sub-typed as B/Hong Kong/330/01-like and 1 infl Bas B/Shanghai/02-like

^{*} Please note that sub-typing counts do not include Tripler data.

IV. Clustered ILI Activity

No reports of clustered ILI activity

V. Activity Code

Sporadic Activity*

*Reported Influenza Activity is defined as below:

Activity Level	ILI activity*/Outbreaks		Laboratory data
No activity	Low	And	No lab confirmed cases [†]
Sporadic	Not increased	And	Isolated lab-confirmed cases
	OR		
Local	Not increased	And	Lab confirmed outbreak in one institution [†]
	Increased ILI in 1 region**; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
	OR		
Regional	2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
	Increased ILI in ≥ 2 but less than half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	OR		
Widespread	Institutional outbreaks (ILI or lab confirmed) in ≥ 2 and less than half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions	And	Recent (within the past 3 weeks) lab confirmed influenza in the state.

Avian Influenza Update:

Cumulative Number of Confirmed Human Cases of Avian Influenza A/(H5N1) Reported to WHO

19 May 2005

Date of onset	Viet Nam		Thailand		Cambodia		Total	
	cases	deaths	cases	deaths	cases	deaths	cases	deaths
26.12.03-10.03.04	23	16	12	8	0	0	35	24
19.07.04-08.10.04	4	4	5	4	0	0	9	8
16.12.04-13.05.05	49	17	0	0	4	4	53	21
Total	76	37	17	12	4	4	97	53

Notes: Total number of cases includes number of deaths. WHO reports only laboratory-confirmed cases.

Numbers for **Viet Nam**, where the vast majority of recent cases have occurred, have been amended in line with case counts provided by the Ministry of Health during late April and May. Since the third wave of infection began in Viet Nam in mid-December 2004, 49 cases have been reported. Of these cases, 17 were fatal. The most recent case was reported to the ministry on 17 April.

WHO has asked the Ministry of Health in Viet Nam to supplement the numbers with data on individual cases. Rapid field investigation of new cases, especially when these occur in clusters, remains essential to assess possible changes in transmission patterns that could indicate improved pandemic potential of the virus.

Since January 2004, when human cases of H5N1 avian influenza were first reported in the current outbreak, 97 cases and 53 deaths have been reported in **Viet Nam**, **Thailand** and **Cambodia**. Viet Nam, with 76 cases and 37 deaths, has been the most severely affected country, followed by Thailand, with 17 cases and 12 deaths, and Cambodia, with 4 cases and 4 deaths.

Updates can be found at WHO website:

http://www.who.int/csr/disease/avian_influenza/en/